

instructions and data include all forms of non-volatile memory, including by way of example semiconductor memory devices, such as EPROM, EEPROM, and flash memory devices; magnetic disks such as internal hard disks and removable disks; magneto-optical disks; and CD-ROM and DVD-ROM disks. The processor and the memory can be supplemented by, or incorporated in, ASICs (application-specific integrated circuits).

[0056] To provide for interaction with a user, the features can be implemented on a computer having a display device such as a CRT (cathode ray tube) or LCD (liquid crystal display) monitor for displaying information to the user and a keyboard and a pointing device such as a mouse or a trackball by which the user can provide input to the computer.

[0057] The features can be implemented in a computer system that includes a back-end component, such as a data server, or that includes a middleware component, such as an application server or an Internet server, or that includes a front-end component, such as a client computer having a graphical user interface or an Internet browser, or any combination of them. The components of the system can be coupled by any form or medium of digital data communication such as a communication network. Examples of communication networks include, e.g., a LAN, a WAN, and the computers and networks forming the Internet.

[0058] The computer system can include clients and servers. A client and server are generally remote from each other and typically interact through a network. The relationship of client and server arises by virtue of computer programs running on the respective computers and having a client-server relationship to each other.

[0059] A number of implementations have been described. Nevertheless, it will be understood that various modifications may be made. For example, elements of one or more implementations may be combined, deleted, modified, or supplemented to form further implementations. As yet another example, the logic flows depicted in the figures do not require the particular order shown, or sequential order, to achieve desirable results. In addition, other steps may be provided, or steps may be eliminated, from the described flows, and other components may be added to, or removed from, the described systems. Accordingly, other implementations are within the scope of the following claims.

What is claimed is:

1. A computer-implemented method, comprising:
 - receiving, in a data processing apparatus, content in a reference format;
 - converting, with the data processing apparatus, the content into corresponding Braille content; and
 - for each of a plurality of Braille displays, formatting, with the data processing apparatus, the Braille content into a respective format for the Braille display, and then sending the formatted Braille content to the Braille display, wherein at least two of the Braille displays have different formats.
2. The method of claim 1, further comprising storing a history buffer of previous Braille content sent to the plurality of Braille displays.
3. The method of claim 1, wherein:
 - each of the plurality of Braille displays have a respective number of cells; and
 - formatting the Braille content into a respective format for each Braille display includes formatting a number of

- characters of the Braille content corresponding to the respective number of cells for the Braille display.
4. The method of claim 1, further comprising:
 - storing data identifying one of the plurality of Braille displays as a primary display; and
 - determining whether to respond to input received from a first Braille display based, at least in part, on whether the first Braille display is the primary Braille display.
 5. A system comprising:
 - a plurality of Braille displays;
 - an accessibility module operable to perform operations comprising:
 - receiving content for presentation;
 - converting the received content to content in a reference format; and
 - sending the content in the reference format to a Braille display manager;
 - a Braille display manager operable to perform operations comprising:
 - receiving the content in the reference format from the accessibility module;
 - converting the content in the reference format into Braille content; and
 - managing each of a plurality of Braille display engines;
 - a plurality of Braille display engines, each engine corresponding to a respective Braille display in the plurality of Braille displays, each engine operable to perform operations comprising:
 - receiving Braille content from the Braille display manager;
 - formatting the Braille content into a respective format for the Braille display corresponding to the engine; and
 - providing the formatted Braille content to the Braille display.
 6. The system of claim 5, wherein the Braille display manager is further operable to perform operations comprising:
 - storing data identifying one of the plurality of Braille displays as a primary Braille display; and
 - determining whether to respond to input received from a first Braille display based, at least in part, on whether the first Braille display is the primary Braille display.
 7. A computer storage medium encoded with a computer program, the computer program including instructions, that when executed by data processing apparatus, cause the data processing apparatus to perform operations comprising:
 - receiving content in a reference format;
 - converting the content in the reference format into corresponding Braille content; and
 - for each of a plurality of Braille displays, formatting the Braille content into a respective format for the Braille display, and then sending the formatted content to the Braille display, wherein at least two of the Braille displays have different respective formats.
 8. A computer-implemented method, comprising:
 - storing, in a data processing apparatus, data identifying one of a plurality of Braille displays coupled to the data processing apparatus as a primary Braille display;
 - receiving, in the data processing apparatus, first text corresponding to first content displayed on a display device of the data processing apparatus; and
 - sending, with the data processing apparatus, first formatted Braille content to each of the plurality of Braille displays, wherein the first formatted Braille content sent to